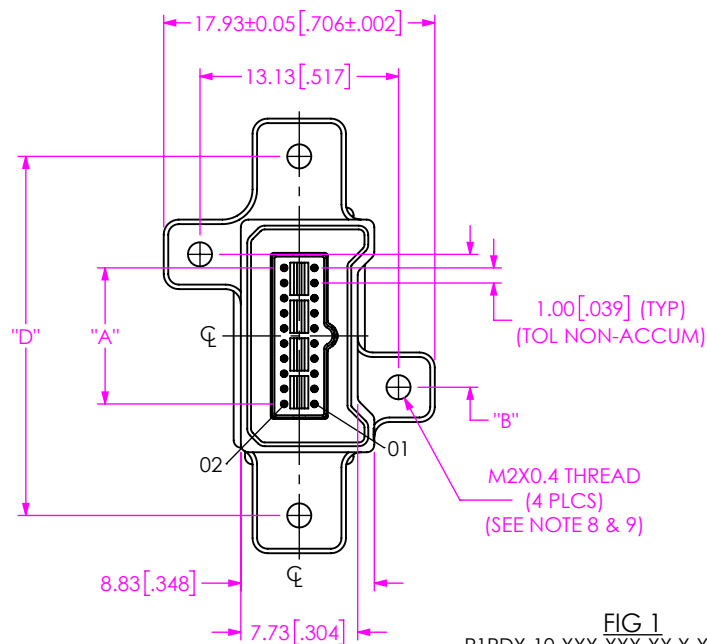


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SCALE FROM
THIS PRINT

TABLE 1

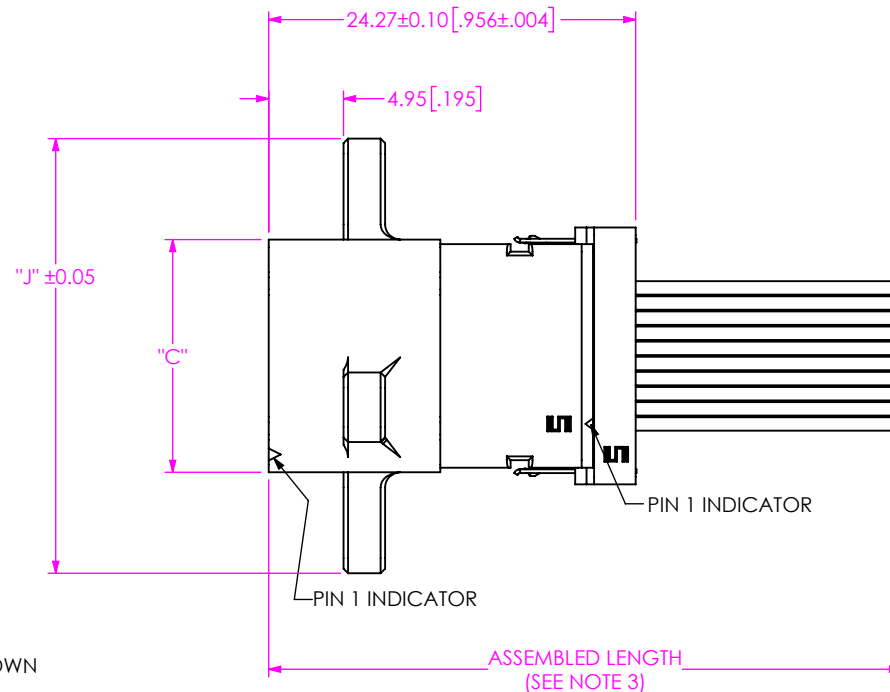
No. OF POS	"A"	"B"	"C"	"D"	"J"
-04	3.00 [0.118]	2.79 [0.110]	9.39 [0.370]	17.75 [0.699]	22.75 [0.896]
-05	4.00 [0.157]	3.79 [0.149]	10.39 [0.409]	18.75 [0.738]	23.75 [0.935]
-07	6.00 [0.236]	5.79 [0.228]	12.39 [0.488]	20.75 [0.817]	25.75 [1.014]
-10	9.00 [0.354]	8.79 [0.346]	15.39 [0.606]	23.75 [0.935]	28.75 [1.132]
-15	14.00 [0.551]	13.79 [0.543]	20.39 [0.803]	28.75 [1.132]	33.75 [1.329]
-20	19.00 [0.748]	18.79 [0.740]	25.39 [1.000]	33.75 [1.329]	38.75 [1.526]
-25	24.00 [0.945]	23.79 [0.937]	30.39 [1.196]	38.75 [1.526]	43.75 [1.722]
-30	29.00 [1.142]	28.79 [1.133]	35.39 [1.393]	43.75 [1.722]	48.75 [1.919]
-40	39.00 [1.535]	38.79 [1.527]	45.39 [1.787]	53.75 [2.116]	58.75 [2.313]

FIG 1
P1PDX-10-XXX-XXX-XX.X-XX SHOWN

NOTES:

1. MINIMUM PUSHOUT FORCE: 4.445N[1.0 LB].
2. PARTS TO BE PACKAGED IN ASBBLTXXXXX BUBBLE BAG.
3. FOR ASSEMBLED LENGTHS LESS THAN 330.2MM [13.00 IN], TOLERANCE SHALL BE ± 3.18 [.125], FOR OTHER LENGTHS, TOLERANCE SHALL BE $\pm 2\%$.
4. ALL FINISHED GOODS ARE TO BE ELECTRICALLY TESTED INCLUDING HI-POT TEST AT 1000 VOLTS DC. AFTER FINAL ELECTRICAL TEST, LABEL WITH 1 ET STAMP ON THE BODY.
5. ASSEMBLIES USING THE FEP OPTION ARE FOR CRIMP APPLICATIONS ONLY.
6. CONTACT MUST BE INSERTED UNTIL RETENTION FEATURE LOCKS IN PLACE.
7. CUT LENGTH IS ASSEMBLY LENGTH MINUS CUT SUBTRACTOR
8. M2.0 (SS): 1.56 IN-LB (STANDARD T-TORQUE).
9. REDUCE TO 0.5T (50% TORQUE) FOR SOFT BASE MATERIALS (E.G., PLASTIC, ALUMINUM) OR LOW-STRENGTH FASTENERS.

P1XDX-XX-XXX-X-XX.X-X-XX

PANEL
-P: PANEL MOUNTFEP CABLE OPTION
-T: FEP INSULATION
**LEAVE BLANK FOR PVC
(SEE NOTE 5)No OF POSITIONS (PER ROW)
*-04, *-05, *-07, -10, -15,
*-20, -25, -30, *-40WIRE GAUGE (AWG)
-28, -30COLOR CODE
**C: COLOR CODE WIRE
(SEE TABLE 2, SHT 2)
LEAVE BLANK FOR STANDARD WIRE
(NOT AVAILABLE FOR FEP OPTION,
FEP OPTION ONLY AVAILABLE IN BLUE)PINOUT
(LEAVE BLANK FOR SINGLE ENDED ASSEMBLY)
-1: PIN 1 TO PIN 1
-2: PIN 1 TO PIN 2
-3: PIN 1 TO PIN N
-4: PIN 1 TO PIN N-1END OPTION
(LEAVE BLANK FOR SINGLE ENDED ASSEMBLY)
-B: B1SDX
-S: SFSDXPIN LENGTH
(LEAVE BLANK FOR STANDARD PIN)
*-H: HOT SWAPASSEMBLED LENGTH
(SPECIFY IN INCHES) 06.0 IN MINIMUMPLATING SPECIFICATION
-H: 30μ" GOLD IN CONTACT AREA, FLASH GOLD ON TAIL* NOT TOOLED
** NOT RELEASED

NOTES:

1. MINIMUM PUSHOUT FORCE: 4.445N[1.0 LB].
2. PARTS TO BE PACKAGED IN ASBBLTXXXXX BUBBLE BAG.
3. FOR ASSEMBLED LENGTHS LESS THAN 330.2MM [13.00 IN], TOLERANCE SHALL BE ± 3.18 [.125], FOR OTHER LENGTHS, TOLERANCE SHALL BE $\pm 2\%$.
4. ALL FINISHED GOODS ARE TO BE ELECTRICALLY TESTED INCLUDING HI-POT TEST AT 1000 VOLTS DC. AFTER FINAL ELECTRICAL TEST, LABEL WITH 1 ET STAMP ON THE BODY.
5. ASSEMBLIES USING THE FEP OPTION ARE FOR CRIMP APPLICATIONS ONLY.
6. CONTACT MUST BE INSERTED UNTIL RETENTION FEATURE LOCKS IN PLACE.
7. CUT LENGTH IS ASSEMBLY LENGTH MINUS CUT SUBTRACTOR
8. M2.0 (SS): 1.56 IN-LB (STANDARD T-TORQUE).
9. REDUCE TO 0.5T (50% TORQUE) FOR SOFT BASE MATERIALS (E.G., PLASTIC, ALUMINUM) OR LOW-STRENGTH FASTENERS.

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MATERIAL:
INSULATORS: LCP COLOR: BLACK
TERMINAL: BeCu
SHIELD: ZINC ALLOY
LATCH: SS
CABLE: JACKET (SEE CALLOUT)
WIRE: TINNED COPPER

samtec

520 PARK EAST BLVD, NEW ALBANY, IN 47150
PHONE: 812-944-6733 FAX: 812-948-5047
e-Mail: info@SAMTEC.com code 55322

DESCRIPTION:

1MM PITCH PIN ASSEMBLY

DWG. NO.

P1XDX-XX-XXX-X-XX.X-X-XX

BY: G DETHY

03/17/2021

SHEET 1 OF 4

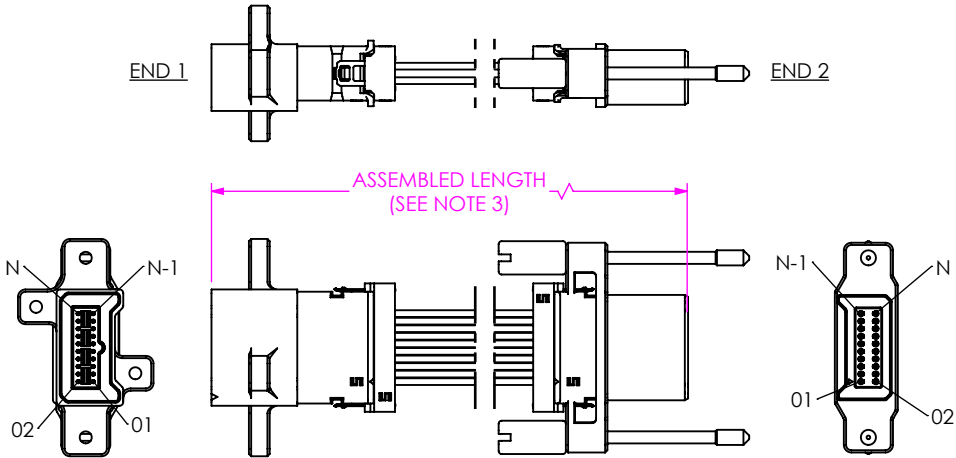


FIG 2
P1PDX-10-XXX-X-XX.X-B1 SHOWN
(DIFFERENT AS SHOWN, OTHERWISE SAME AS FIG 1)

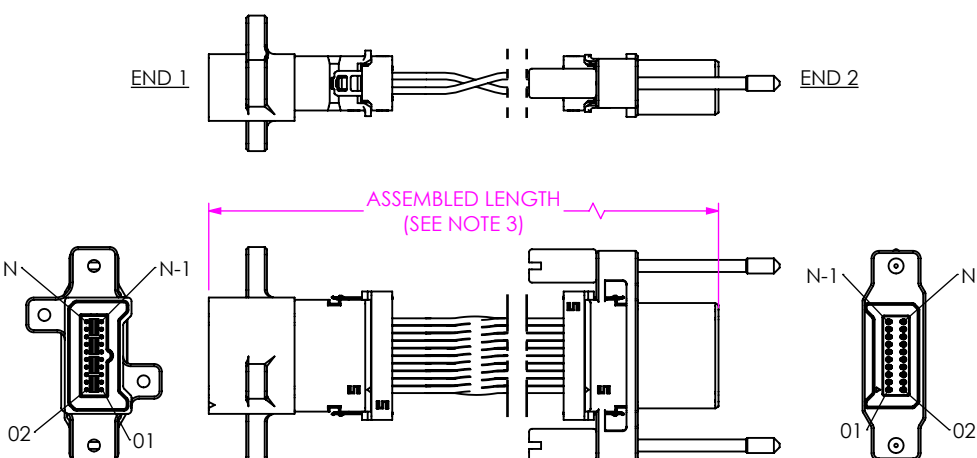


FIG 3
P1PDX-10-XXX-X-XX.X-B2 SHOWN
(DIFFERENT AS SHOWN, OTHERWISE SAME AS FIG 1)

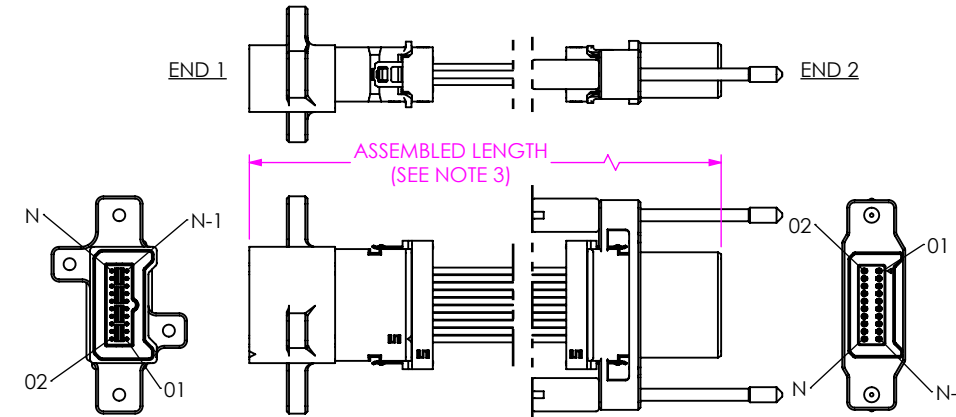


FIG 4
P1PDX-10-XXX-XXX-XX.X-B3 SHOWN
(DIFFERENT AS SHOWN, OTHERWISE SAME AS FIG 1)

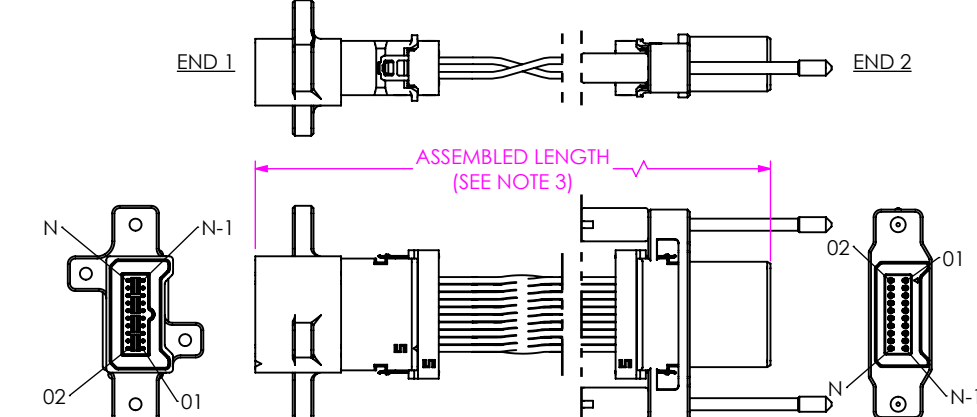


FIG 5
P1PDX-10-XXX-XXX-XX.X-B4 SHOWN
(DIFFERENT AS SHOWN, OTHERWISE SAME AS FIG 1 & FIG 4)

TABLE 2
P1XD COLOR CODED WIRE SEQUENCE
COLOR

END 1 PIN #	BROWN	RED	ORANGE	YELLOW	GREEN	BLUE	VIOLET	GRAY	WHITE	BLACK
	DWC-XX-01-300	DWC-XX-02-300	DWC-XX-03-300	DWC-XX-04-300	DWC-XX-05-300	DWC-XX-13-300	DWC-XX-07-300	DWC-XX-08-300	DWC-XX-09-300	DWC-XX-10-300
	1	2	3	4	5	6	7	8	9	10
	11	12	13	14	15	16	17	18	19	20
	21	22	23	24	25	26	27	28	29	30
	31	32	33	34	35	36	37	38	39	40
	41	42	43	44	45	46	47	48	49	50
	51	52	53	54	55	56	57	58	59	60
	61	62	63	64	65	66	67	68	69	70
	71	72	73	74	75	76	77	78	79	80

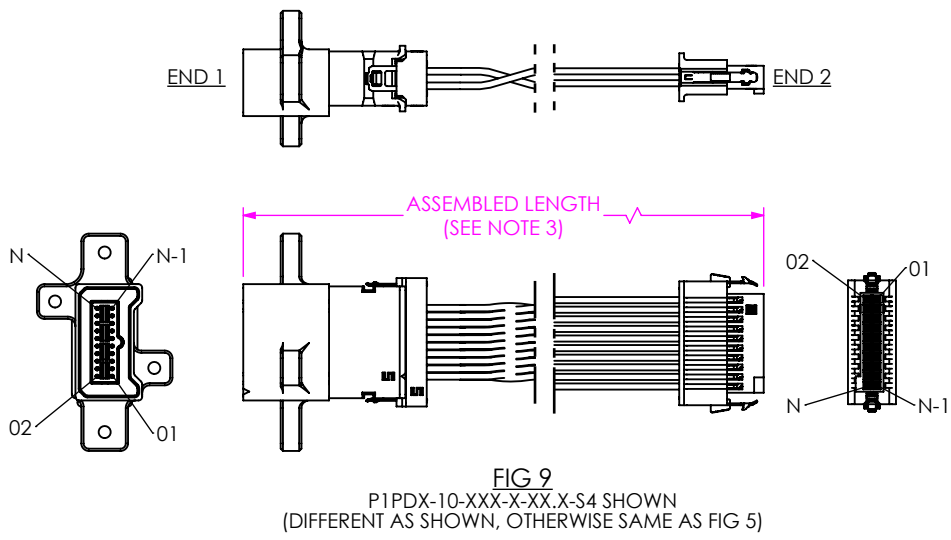
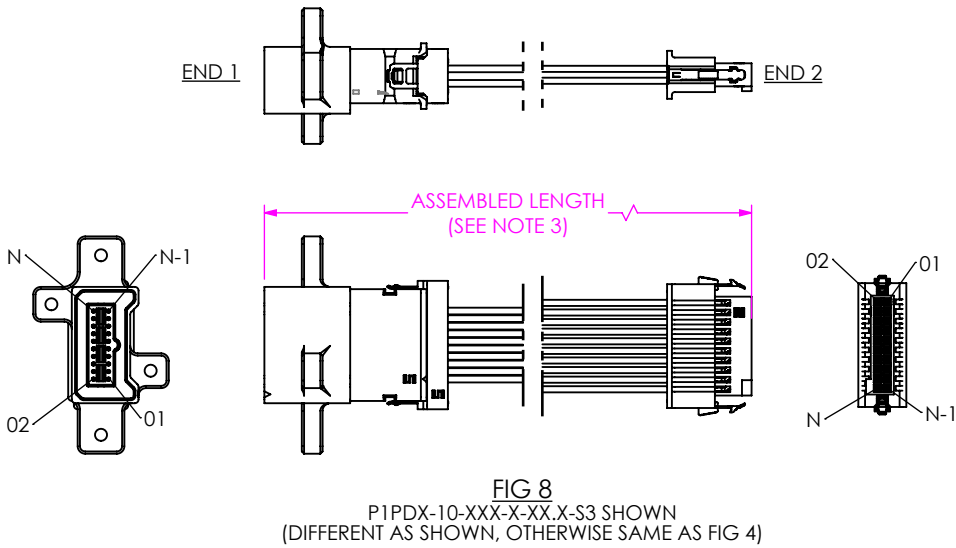
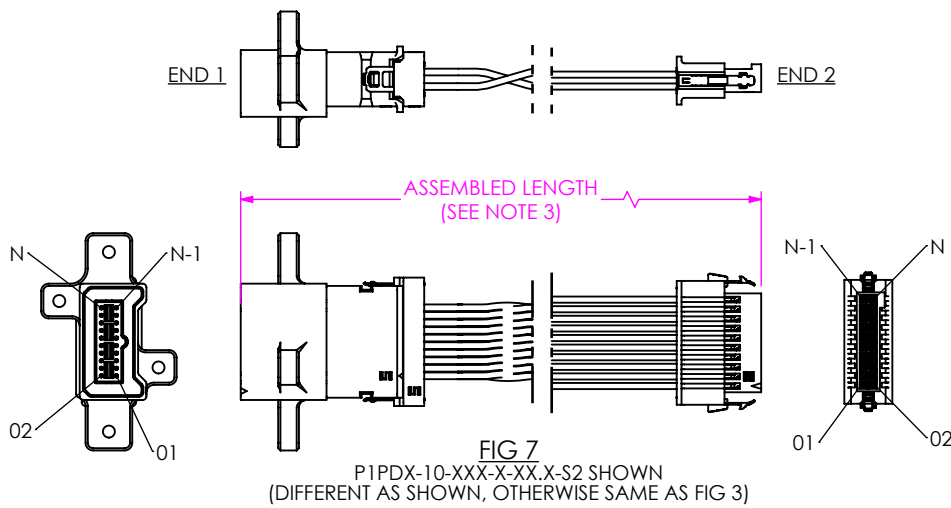
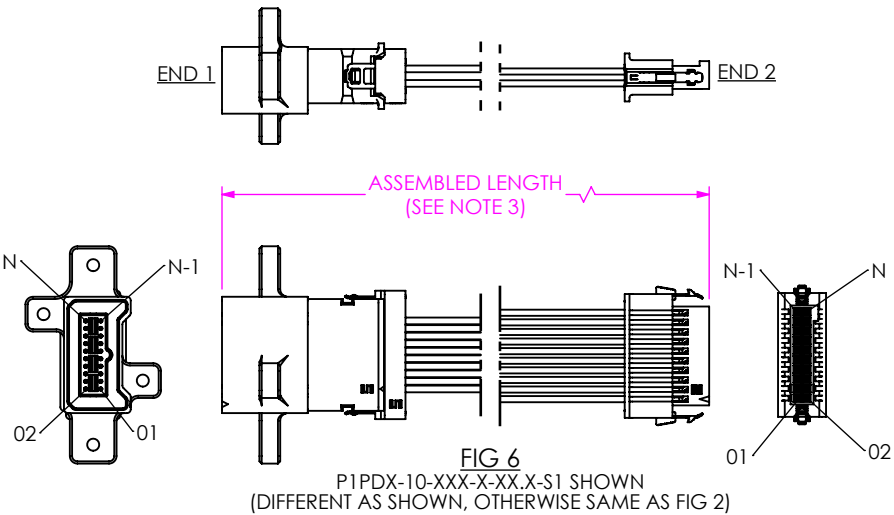
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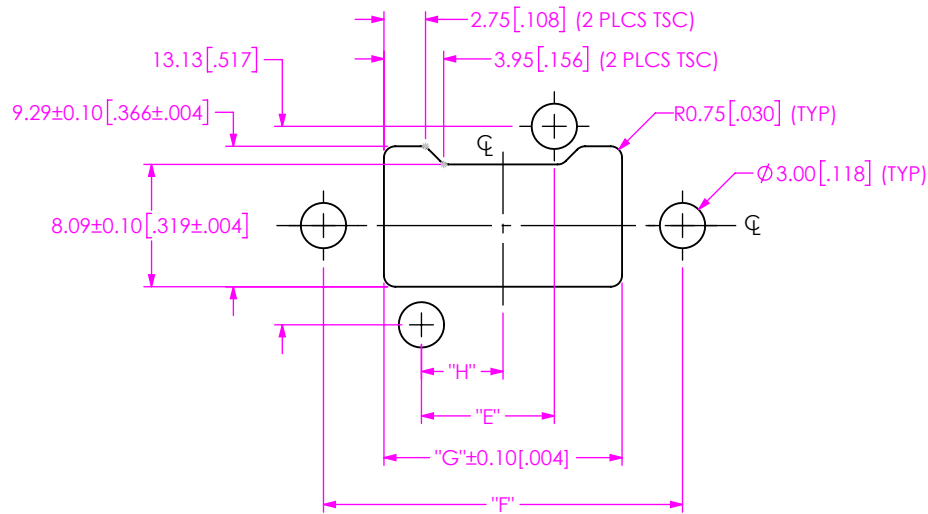


520 PARK EAST BLVD, NEW ALBANY, IN 47150
PHONE: 812-944-6733 FAX: 812-948-5047
e-Mail info@SAMTEC.com code 55322

DESCRIPTION:
1MM PITCH PIN ASSEMBLY
DWG. NO.
P1XDXX-XX-XXX-X-XX.X-X-XX
BY:G DETHY 03/17/2021 SHEET 2 OF 4



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<p>SHEET SCALE: 1:2 DO NOT SCALE DRAWING</p>	
<p>DESCRIPTION: 1MM PITCH PIN ASSEMBLY</p>	
<p>DWG. NO. P1XDX-XX-XXX-X-XX.X-X-XX</p>	
<p>BY: G DETHY 03/17/2021 SHEET 3 OF 4</p>	



RECOMMENDED PANEL CUTOUT

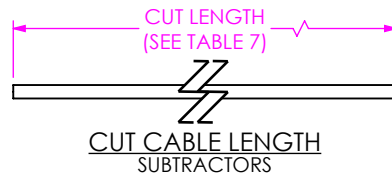


TABLE 7
(CUT SUBTRACTORS)
(SEE NOTE 7)

	LENGTH
S: SINGLE END	0.558
D: DOUBLE END	1.176
T: TRANSFER END	0.858

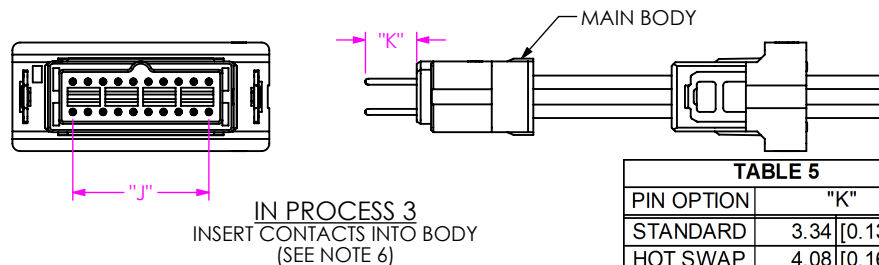
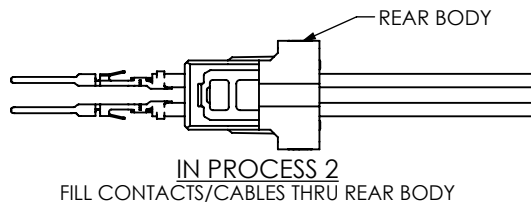
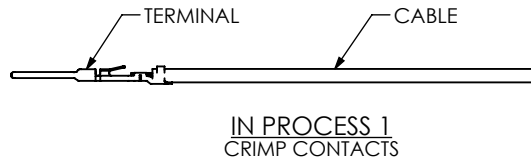


TABLE 4

No. OF POS	"J"
-04	3.00 [0.118]
-05	4.00 [0.157]
-07	6.00 [0.236]
-10	9.00 [0.354]
-15	14.00 [0.551]
-20	19.00 [0.748]
-25	24.00 [0.945]
-30	29.00 [1.142]
-40	39.00 [1.535]

TABLE 5

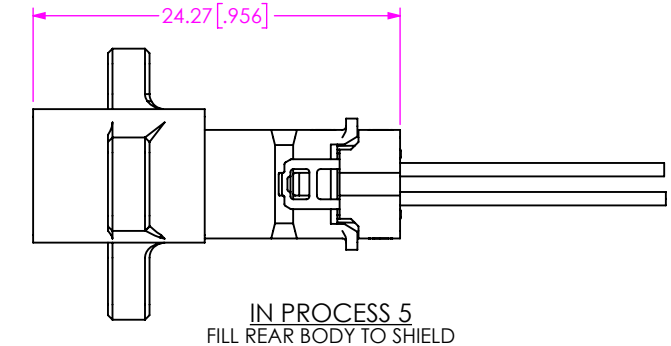
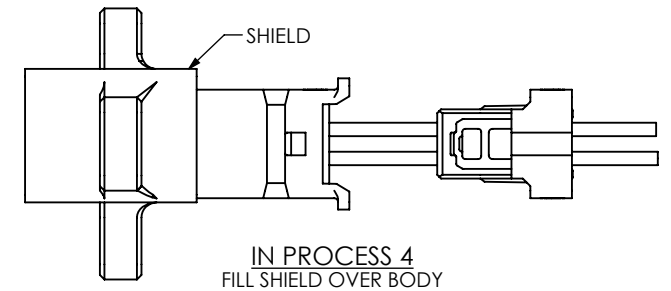
PIN OPTION	"K"
STANDARD	3.34 [0.131]
HOT SWAP	4.08 [0.161]

TABLE 3

No. OF POS	"E"	"F"	"G"	"H"
-04	2.79 [0.110]	17.75 [0.699]	9.75 [0.384]	2.395 [0.094]
-05	3.79 [0.149]	18.75 [0.738]	10.75 [0.423]	2.895 [0.114]
-07	5.79 [0.228]	20.75 [0.817]	12.75 [0.502]	3.895 [0.153]
-10	8.79 [0.346]	23.75 [0.935]	15.75 [0.620]	5.395 [0.212]
-15	13.79 [0.543]	28.75 [1.132]	20.75 [0.817]	7.895 [0.311]
-20	18.79 [0.740]	33.75 [1.329]	25.75 [1.014]	10.395 [0.409]
-25	23.79 [0.937]	38.75 [1.526]	30.75 [1.211]	12.895 [0.508]
-30	28.79 [1.133]	43.75 [1.722]	35.75 [1.407]	15.395 [0.606]
-40	38.79 [1.527]	53.75 [2.116]	45.75 [1.801]	20.395 [0.803]

TABLE 6

SERIES	WIRE GAUGE	MAIN BODY	REAR BODY	SHIELD	TERMINAL	CABLE
P1PD	28 AWG	IPP1-XX-1	P1PDR-XX	P1PDS-XX-N	TC145-XX-X-X	DWC-28-XX-300
	30 AWG					DWC-30-XX-300
P1PDT	28 AWG	IPP1-XX-1	P1PDR-XX	P1PDS-XX-N	TC145-XX-X-X	DWCT-28-01-TC
	30 AWG					DWCT-30-01-TC



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DESCRIPTION:
1MM PITCH PIN ASSEMBLY

DWG. NO.
P1XDX-XX-XXX-X-XX.X-X-XX

BY: G DETHY 03/17/2021 SHEET 4 OF 4